

M 5.5, 77 km WNW of El Alto, Peru

Origin Time: 2020-10-18 06:58:28 UTC (Sun 01:58:28 local)

Location: 3.9204° S 81.8236° W Depth: 8.0 km

Created: 3 weeks, 6 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

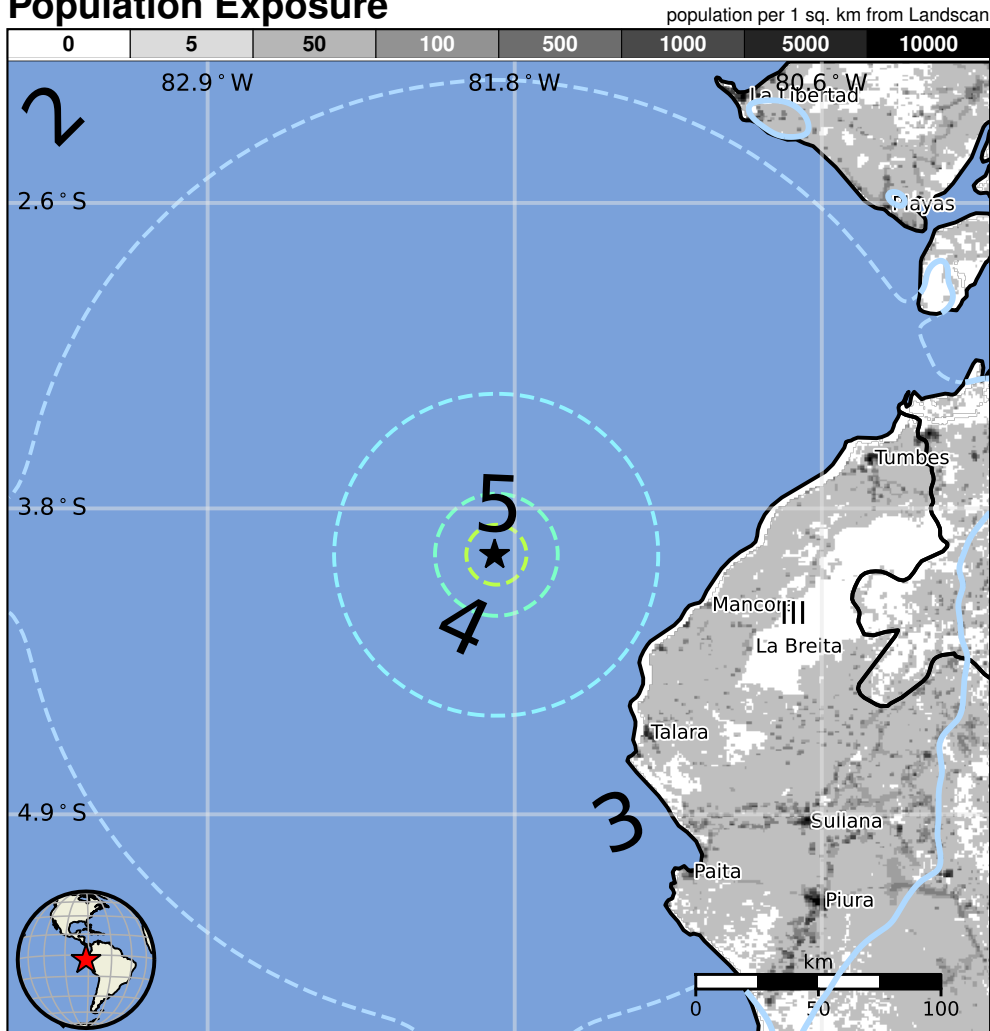


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,649k	3k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-09-20	262	5.5	VI(99k)	1
2005-01-21	328	6.0	VIII(3k)	—
1970-12-10	130	7.1	VIII(119k)	81

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	El Alto	9k
III	Los Organos	<1k
III	Mancora	9k
III	Lobitos	<1k
III	Talara	99k
III	Negritos	<1k
III	Sullana	161k
III	Tumbes	109k
III	Piura	325k
III	Santa Elena	42k
II	La Libertad	76k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000c950#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000c950